

Tri-County SUPER HEAT ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers

IN THIS ISSUE...

ASHRAE's Core Values	1
Local Businesses	2
Business Cards	3
Advertisement	4,5
Leadership	6
Past Meeting	7
Upcoming Meeting	8
Activities Reports	9-10
Past Events	11
Partial Roster	12



MEETING INFORMATION

Date: October 20, 2020
Location: Webex
 Online Meeting
Time: 12:00PM to 1:30PM
Member Cost: \$10
Non-Member Cost: \$15



Webex Meetings

We look forward to seeing you again at our next meeting. Our next meeting will be held "ONLINE" via Cisco Webex. Please e-mail Felix Monterroso at ashraetricounty@gmail.com to reserve your spot for the upcoming meeting.

ASHRAE'S CORE VALUES

As we proceed through our 2020-2021 Tri-County ASHRAE season, let's continue to keep ASHRAE's core values in mind...

Excellence

ASHRAE education, technical information and all other activities and products will always reflect the best practices that lead our industry. We strive for continuous improvement and innovation in all our practices and products.

Commitment

ASHRAE and its members are passionate about serving the built environment, creating value, and recognizing the accomplishments of others.

Integrity

ASHRAE is committed to the highest ethical standards. We work transparently, observing essential requirements for due process and peer reviews to assure our members and stakeholders that we do the right things the right way.

Collaboration

ASHRAE seeks and embraces collaborative efforts with organizations, agencies, and individuals sharing our commitment to sustainable built environments.

Volunteerism

Members lead ASHRAE at every level, serving ASHRAE and helping ASHRAE serve society.

NOTE: Statements made in this publication are not the expressions of the Society or of the Tri-County chapter but may not be reproduced without special permission of the Tri-County chapter.

PLEASE SUPPORT OUR BUSINESS CARD/PAGE AD ADVERTISERS LOCATED HERE AND ELSEWHERE IN THIS PUBLICATION...

MAKE AN INVESTMENT IN OUR INDUSTRY'S FUTURE!

If you would like to place a business card ad in Super Heat for the 2020-2021 Tri-County ASHRAE season, please contact Felix Monterroso via e-mail at...
ashraetricounty@gmail.com

Looking for a unique marketing opportunity?

We've got a deal for you!

For only \$50 (that's right, only \$50!) you and many more can see your business card appear on THIS MONTHLY PUBLICATION for the 2020-2021 Tri-County ASHRAE season!

And for only \$300 you can advertise your business with a FULL page ad ! (\$150 half page Ad)

*Now that you're interested, send a *.jpg version of your business card and/or page ad to: ashraetricounty@gmail.com and we will send you a link to pay for the corresponding fees.*

Felix Monterroso

TCSH Editor

BUSINESSES CARDS



JIM TODA
Sales Engineer

425 W. BONITA AVENUE #106 • SAN DIMAS, CA 91773
Phone (909) 599-9222 FAX (909) 599-4418

E-MAIL: info@cccrcps.com
WEB SITE: www.cccrcps.com



Jeffrey R. Pose
President

30682 Cricket Road
Murrieta, CA 92563
Office: 951-923-4028
Direct: 516-456-0744
jpose@jmarcontrols.com

www.jmarcontrols.com



YOUR FLUID TECHNOLOGY RESOURCE
IN BUSINESS SINCE 1948
WWW.DAWSONCO.COM

ERICK DELGADO TEL. 626-797-9710
BUSINESS CELL: 626-755-3798
DEVELOPMENT GROUP FAX: 626-798-4659
EMAIL: EDELGADO@DAWSONCO.COM

1681 W. SECOND ST.
POMONA, CA 91766



Engineered Products, Established 1972
HVAC • MECHANICAL • CONTROLS

PROUDLY REPRESENTS



Griswold Controls
Mechanical & controls, automatic & manual balancing, PIC-V, EPIC System, lead-free valves. Coil kits, BTU meters



NuTech
Automatic & manual balancing valves, coil piping packages, lead-free valves, hose kits



Vortisand
High efficiency submicron filtration systems for open cooling towers or closed loop systems.



Rovanco Piping Systems
Pre-insulated underground & containment piping systems. Leak detection.



Unisource Mfg
Bellows, expansion compensators & joints, nested U-loop, V-loop, stainless steel & bronze braided flexible connectors.



Flex-Weld / Keflex
Bellows, expansion compensators & joints, stainless steel & bronze braided flexible connectors, and pipe guides.



ChamFlex
"Class A fire rated" hose assemblies & kits designed for water source heat pump, fan coil, VAV, and chilled beam applications.



Hydroflex
Domestically produced stainless steel braided flexible connectors.



Delta Cooling Towers
Modular, open & closed loop, corrosion proof, biofilm resistant cooling towers.



Duraflex
Bellows, expansion joints, stainless steel & bronze braided flexible connectors, tubing, & hose assemblies.



Bonomi North America
High performance ball & butterfly valves with optional positioner & actuation packages.



DuraValve
Brass & stainless steel ball valves, butterfly valves, pneumatic and electric actuators, and actuated assemblies.



General Water Systems
Centrifugal separators, chemical pot feeders



FlowCon International
Pressure independent & control valves. Adjustable automatic flow limiting



Bray
Specialty HVAC valves, high performance butterfly valves, ball valves & control valves.



Quadax
Four-offset high performance butterfly valves, industrial valves for steam and industrial applications.



Pipe Shields
Pre-Insulated pipe supports, guides, and anchors.



SWEP
Braided plate heat exchangers for HVAC, refrigeration.



Duo-Aire
Commercial kitchen ventilation & utility distribution systems

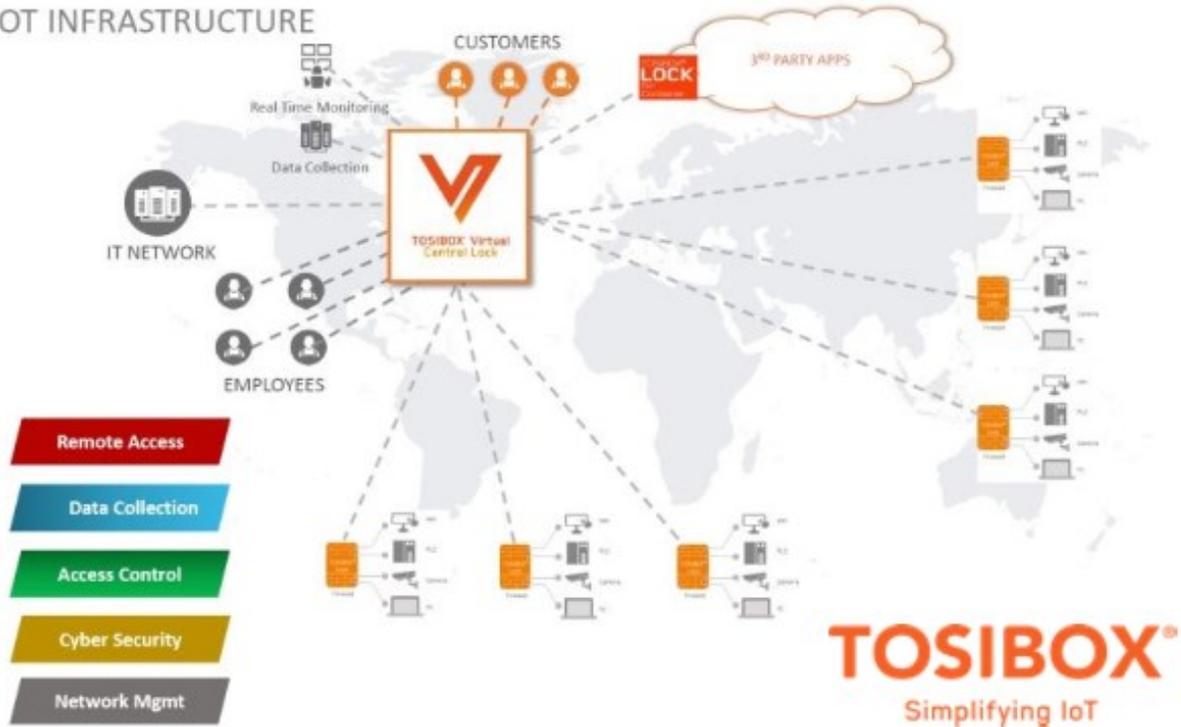


Ammark Corp.
Thermostatic hydronic flow control valves for HW, CHW, & Steam.

J. D. Sales Company, Inc.

3547 Voyager Street, Ste 103 | Torrance, CA 90503
Torrance (310) 214-5155 | San Diego (619) 795-0370 | www.jdsalesco.com

OT INFRASTRUCTURE



SECURE CONNECTIVITY FOR REAL-TIME DATA COLLECTION

As the number of devices is exponentially growing, so are their vulnerabilities. Thanks to TOSIBOX®, you can be sure that your network and data will remain encrypted and secure.

- TOSIBOX® is globally audited, patented and performs at the highest security levels in the industry.
- It's a direct VPN tunnel between your devices. Only trusted devices can access the network.
- The data between devices always runs along its own private highway without being decrypted in the middle or being stored on any third-party server.
- Users are verified by two factor authentication and access rights are available for the ecosystem management to allow for all relevant personal to seamlessly connect to their applications within the operational environment.



30682 Cricket Road
Murrieta, CA 92563
Office: 951-923-4028
E-Mail: jpose@jmarcontrols.com
www.jmarcontrols.com

Our ASHRAE Tri-County leaders for the 2020-2021 season!

OFFICERS

President: Michael Franzen / Franzen Consulting

President Elect: Manny Perez /

Secretary: Jeff Pose / J-MAR Controls Solutions

Treasurer: Walter Escamilla /

BOARD OF GOVERNORS

Past President: Felix Monterroso / Willdan Energy Solutions

Board Member: Kakeru Fujikawa/ Goss Engineering Inc.

Board Member: Erick Delgado / Dawson Co.

Board Member: Ian Villazana / ACCO Engineered Systems

About us!



Past Meeting

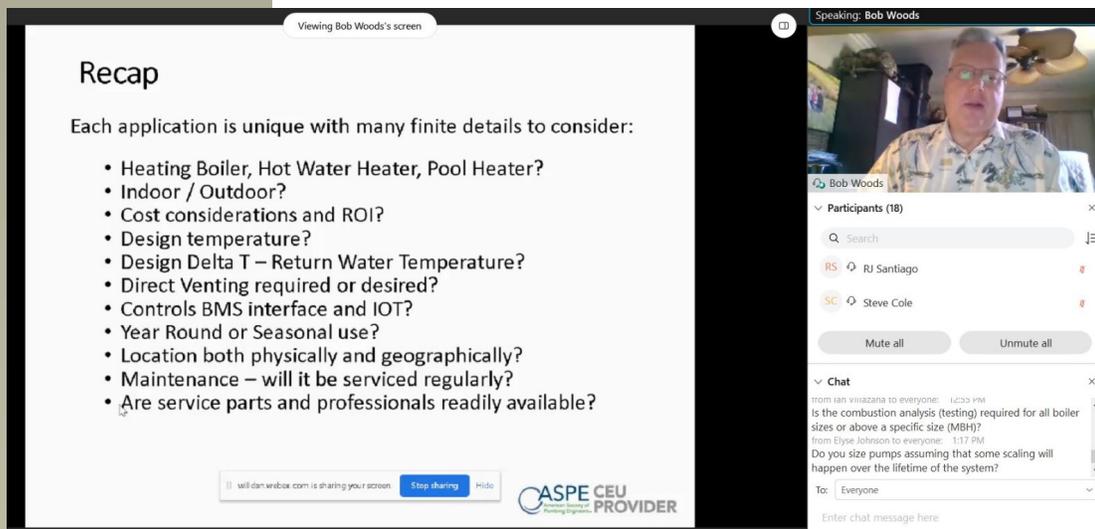
“The Devil’s in the Details”

A CEU Credit Presentation with Certificate. This meeting was oriented towards identifying the pitfalls (problems and importance) of improper installation, operation and maintenance of equipment relevant to:

- Combustion
- Improper Fuel Ratio
- Venting
- Condensate
- Gas Analysis
- Clearance Requirements
- Gas Piping
- Drip Legs
- Regulators
- Pumping
- Scaling
- Water Hardness
- Water Volume
- Controls

Bob graduated from Nasson College, Idaho State University and did his doctorate at the

University of Rhode Island. He started in the industry in 1986, has been an ASHRAE member for 24 years and has served as President for two ASHRAE Chapters, So Cal and Orange Empire. Bob is currently serving as the Chapter Treasurer for the Orange County ASPE Chapter. He has been specializing in boiler application, steam and combustion technology since 1995. Bob currently works for Raypak as a Consultant as well as a District Manager.



The screenshot shows a Zoom meeting interface. On the left, a presentation slide titled "Recap" is displayed. The slide content is as follows:

Recap

Each application is unique with many finite details to consider:

- Heating Boiler, Hot Water Heater, Pool Heater?
- Indoor / Outdoor?
- Cost considerations and ROI?
- Design temperature?
- Design Delta T – Return Water Temperature?
- Direct Venting required or desired?
- Controls BMS interface and IOT?
- Year Round or Seasonal use?
- Location both physically and geographically?
- Maintenance – will it be serviced regularly?
- Are service parts and professionals readily available?

At the bottom of the slide, there is a "CASPE CEU PROVIDER" logo and a "will.dan.webbox.com is sharing your screen" notification with "Stop sharing" and "Hide" buttons.

On the right side of the screenshot, the Zoom interface shows a video feed of Bob Woods, a "Participants (18)" list with search and icons for RJ Santiago and Steve Cole, and a "Chat" window. The chat window contains the following messages:

- from all @everyone to everyone: 1:20 PM
Is the combustion analysis (testing) required for all boiler sizes or above a specific size (MBH)?
- from Elyse Johnson to everyone: 1:17 PM
Do you size pumps assuming that some scaling will happen over the lifetime of the system?

At the bottom of the chat window, there is a "To: Everyone" dropdown and an "Enter chat message here" input field.

UPCOMING MEETING

[Register Here!](#)

“Mitigating Disease Transmission with Germicidal UV-C”

This presentation will briefly discuss the basics of Germicidal UV-C technology and its ability to inactivate all known microorganisms including viruses, mold, bacteria—even drug-resistant superbugs. The presentation will cover infectious diseases and how they can be inactivated in air-streams with the UV-C wavelength. The presentation will also cover ASHRAE’s position on UV-C, as well as the different applications of UV being used to mitigate the transmission of airborne diseases as well as maintaining HVAC efficiency.



Daniel Jones
President & Co-Founder
dan.jones@uvresources.com



Jones has served the HVAC community for more than three decades, helping to educate and train facility managers, specifying engineers and industry professionals with an emphasis on air-stream disinfection and surface treatment technologies. The president and co-founder of UV Resources, Daniel Jones is the author of numerous articles on germicidal-UV airstream and surface disinfection. Mr. Jones is an active member on several ASHRAE Technical Committees, including corresponding member of TC 2.9, Ultraviolet Air and Surface Treatment, and the standard project committee for ANSI/ASHRAE Standard 185.2.

[Find Out More!](#)

[Learn More!](#)

ACTIVITIES REPORTS

Historian's Report

By: Jim Toda (Tri County Historian)

The Tri County chapter's favorite "Senior Student" member will always be Lou Horsefield. Lou died in an automobile accident on October 31, 2005. Lou always made Tri County meetings more enjoyable with his presence and humor. The chapter certainly misses him!

Lou loved ASHRAE meetings. He would attend all four Southern California area chapters each month. He would go to the Southern California chapter the first Tuesday, the San Diego chapter the second Tuesday, the Tri County chapter the third Tuesday, and the Orange Empire chapter the fourth Tuesday.

Lou served our chapter several times, as a nominating committee member. He also regularly contributed to ASHRAE research, through the Tri County chapter.



Linne Horsefield presented Ouma Moss with the first annual Lou Horsefield Memorial Scholarship, on March 21, 2006.

Student Activities Report

By: Jim Toda (Student Activities Chair)

The Tri-County chapter of ASHRAE was pleased to award scholarships to three deserving students, each from Cal Poly Pomona. The scholarships were awarded based on their essay responses for the following question: “How will your field of study and your future professional career support the design of energy-efficient HVAC systems”?

The first place \$800 Lou Horsefield Memorial scholarship was awarded to Jazmin Leon Francisco. The second place \$600 scholarship was awarded to Miguel Rodriguez. The third place \$400 scholarship was awarded to Alejandro Robles.

Congratulations go out to these students. The Tri-County chapter of ASHRAE wishes them success and good luck in their future endeavors.



PAST EVENTS

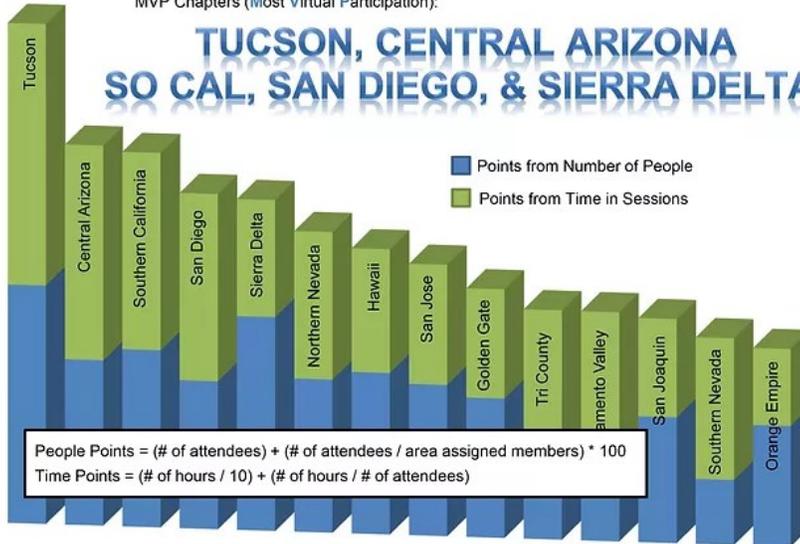


REGION X CRC in TUCSON (virtually)!

Online events/meetings AUGUST 7-22, 2020

MVP Chapters (Most Virtual Participation):

TUCSON, CENTRAL ARIZONA SO CAL, SAN DIEGO, & SIERRA DELTA!



People Points = (# of attendees) + (# of attendees / area assigned members) * 100
 Time Points = (# of hours / 10) + (# of hours / # of attendees)

Manny Perez (President-Elect) represented the Tri-County ASHRAE chapter as an alternate during the 2020 Virtual CRC. He also attended "ALL" the main sessions and workshops held by Region X.

Thanks Manny, your participation was awarded with points for our chapter!

Go Tri-County!!!!!!

Main Sessions

Name	Chapter	Orientation	Motions Workshop	Chapter Ops Workshop	Business Session #1	Business Session #2	Awards Presentation
Manny Perez	Tri County	X	X	X	X	X	X

Committee Workshops

Name	Chapter	Communication	CTTC	Finance	GAC	History	MP	RP	SA	YEA
Manny Perez	Tri County	X	X	X	X	X	X	X	X	X

2020-2021 PARTIAL ROSTER



Officers

President	Michael Franzen Franzen Consulting — 626-419-5399
President-Elect	Manny Perez — 562-301-4589
Secretary	Jeff Pose J-MAR Controls Solutions — 516-456-0744
Treasurer	Walter Escamilla — 323.407.1482

Board of Governors

Felix Monterroso Willdan Energy Solutions — 626-629-9658
Kakeru Fujikawa
Erick Delgado Dawson Co. — 626-755-3798
Ian Villazana ACCO Engineered Systems — 714-287-8325

Committee Chairs

Historian	Jim Toda Custom Cooling Company — 909-599-9222
Student Activities	Jim Toda Custom Cooling Company — 909-599-9222
Research Promotion	Joe Sanders Dynamic Engineered Systems, Inc — 951-278-0282
Newsletter Editor	Felix Monterroso Willdan Energy Solutions — 626-629-9658
Membership Promotion	Erick Delgado Dawson Company — 626-755-3798
Young Engineers in ASHRAE (YEA)	Felix Monterroso Willdan Energy Solutions — 626-629-9658
Chapter Technology Transfer	Felix Monterroso Willdan Energy Solutions — 626-629-9658



Everyone in Tri-County is responsible for building a better tomorrow!

Tri-County SUPER HEAT

CELEBRATING
31 YEARS
1989-2020
TRI-COUNTY ASHRAE!

P A S T P R E S I D E N T S

1988-1989	SUKHDEV MATHAUDHU	2014-2015	RYAN RODRIGUEZ
1989-1990	SUKHDEV MATHAUDHU	2015-2016	SHAW GENTRY
1990-1991	JEFF LEONARD	2016-2017	CHRIS ROBLES
1991-1992	DEL THOMAS	2017-2018	IAN VILLAZANA
1992-1993	TONY PIERCE	2018-2019	KAKERU FUJIKAWA
1993-1994	GREG MORIN	2019-2020	FELIX MONTERROSO
1994-1995	TONY HENKEL		
1995-1996	JOHN HAVILAND		
1996-1997	JOEL CARTER		
1997-1998	CHANDRA CHINDE		
1998-1999	JIM TODA		
1999-2000	RICHARD MCLEOD		
2000-2001	KERRY PARKER		
2001-2002	DEBRA CHAVIRA-SMITH		
2002-2003	LUCAS HYMAN		
2003-2004	JOE SANDERS		
2004-2005	BOB GASTEL		
2005-2006	ART ANDRES		
2006-2007	JIM PARKER		
2007-2008	KYLE LANDIS		
2008-2009	RICK CREED		
2009-2010	ROBERT MORSE		
2010-2011	TIM HALD		
2011-2012	JAI MELOPEZ		
2012-2013	ERICK DELGADO		
2013-2014	NICOLAS ROSNER		

— journal of the tri-county chapter of the —

American Society of Heating, Refrigerating, and Air Conditioning Engineers

ASHRAE, founded in 1894, is an international organization of more than 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public.